



TECHNICAL DATA SHEET

SILA-TEK™ 3500

An industrial-grade, water-based, sodium densifier for use as a stand-alone product or as a primer to strengthen and harden concrete. Sila-Tek 3500 is the most advanced concrete densifier available. This clear penetrating sealer not only densifies and hardens concrete making it up to 50% stronger, but it is the go to choice to harden and prime basements and driveways. It is also an excellent choice for polishing concrete.

APPLICATIONS

Exceptional when used for:

- Warehouses and industrial facilities
- Use as a primer prior to application of Siloxa-Tek 8500 or Siloxa-Tek 8505

Not for use on:

- Bricks, concrete blocks/cinderblocks
- Polished concrete/extremely smooth concrete surfaces

BENEFITS

- Increases abrasion resistance
- Strengthens concrete up to 50%
- Excellent penetration
- No change in appearance
- Low VOCs
- Resists UV degradation

PREPARATION

Avoid contact with skin, eyes and clothing. Wash hands after use and do not take internally. Please refer to the product Safety Data Sheet (SDS) before using. The preparation process should be followed to ensure adequate penetration and optimum performance:

Step 1: The concrete substrate must be structurally sound, thoroughly dry and clean. Wait at least 24-48 hours after rain and/or pressure washing before sealing; concrete should be visibly dry.

Step 2: Remove all paints, previous sealers and/or adhesives before application.

Step 3: The substrate must be clean of oil, grease, dirt, wax, curing compounds, efflorescence and other contaminants that might interfere with the penetration of the sealer.

Step 4: If acid is used to clean the concrete, neutralize the surface completely and rinse it with water prior to application. Then wait for the concrete to dry out for at least 24-48 hours.

Step 5: The surface-zone moisture content of the concrete should not exceed 4%wt.



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Step 6: Cover all surrounding areas not intended to be coated.

Step 7: New concrete must be cured for at least 28 days before sealing.

APPLICATION

Step 1: Sila-Tek™ 3500 is a concentrated product that needs to be mixed with water prior to application. We recommend using a five (5) gallon bucket to mix the sealer. Pour the one (1) gallon container of Sila-Tek™ 3500 into a five (5) gallon bucket.

Step 2:

- **If priming concrete:** Next fill up the bucket with four (4) gallons of water (distilled water is preferred). (Sila-Tek™ 3500 can be mixed in smaller quantities as long as the one (1) part Sila-Tek™ 3500 to four (4) parts water ratio is followed. For example, one (1) cup Sila-Tek™ 3500 can be mixed with four (4) cups of water, or a half (1/2) gallon of Sila-Tek™ 3500 can be mixed with two (2) gallons of water).
- **If polishing concrete:** Next fill up the bucket with three(3) gallons of water (distilled water is preferred). (Sila-Tek™ 3500 can be mixed in smaller quantities as long as the one (1) part Sila-Tek™ 3500 to three (3) parts water ratio is followed. For example, one (1) cup Sila-Tek™ 3500 can be mixed with three (3) cups of water).

Step 3: Stir the Sila-Tek™ 3500 and water mixture well before using.

Step 4: If spray applying, pour the mixed material into a sprayer. If roll applying, dip a 3/8" nap roller into the bucket of mixed material.

Step 5: Spray or roll one coat onto an area of approximately 100 square feet.

Step 6: Immediately apply a second coat to the same 100 square foot area, while the first coat is still wet. You may walk on the first coat to apply the second coat. Apply until the surface is saturated but not to the point of puddling.

Step 7: Roll or broom out any puddles until the sealer penetrates the substrate.

Step 8: After the first area has been treated move on to the next 100 square foot section and apply two (2) coats following the wet-on-wet application method.

Step 9: When the entire application has been treated with two (2) coats, let the concrete dry for at least six (6) hours before walking, 24 hours before driving, and protect the concrete from rain for at least 24-48 hours after sealing. Wait at least 7 days after applying the Sila-Tek™ 3500 before using a top coat sealer or paint.

Step 10: Clean up: Application tools can be cleaned using soap and water.

Step 11: If over-spray occurs it should be cleaned and removed immediately after sealing.



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Step 12: Unused or old material may be disposed of in a waste disposal site in accordance with local, state and federal laws.

APPLICATION NOTES:

- Before application test the sealer by applying in an inconspicuous area to ensure the desired coverage and appearance is achieved.
- Do not use on extremely porous concrete or masonry such a hollow concrete block or bricks.
- Do not over apply. Excess material may result in a white residue or discoloration.
- Prevent from getting on glazed and finished surfaces such as glass, aluminum etc. In case of contact flush immediately with water.
- Does not prevent equipment leaks or other leaks such as oil, hydraulic fluid etc. Use the Siloxa-Tek® 8505 or Siloxa-Tek® 8510 for oil repellency and staining resistance.
- Do not use on concrete that has been previously sealed without chemically etching or mechanically scarifying.

TECHNICAL SPECS

- Feature: Densifier & hardener
- Chemistry: Sodium silicate
- Color: Clear
- Finish: Invisible
- Category: Penetrating
- Carrier: Water
- Availability: Ultra Concentrate: Makes 5 Gallons
- Packaging: 1 Gallon
- Coverage: 1000 sq. ft. per coat
- Reconstitution Ratio: 1 part sealer : 4 parts water
- Interior/Exterior: Interior/Exterior
- Application Method: Sprayer, Roller
- Application Temperature: 45 F - 90 F
- Number of Coats: 1
- Drying Time (dry to touch): 6 Hours
- Drying time (full cure): 24 Hours
- Time before/after rain: 48 Hours
- New Concrete: Yes, at least 28 days after being poured
- Storage/Shelf Life: 1 Year
- Clean up: Soap/water
- Paintable: Yes
- VOC Content: 0 g/L

WARRANTY/LIMITATIONS OF LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other



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than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. No warranty is made, expressed or implied, regarding such other information, the data on which it is based, or the results you will obtain from its use. No warranty is made, expressed or implied, that our product shall be merchantable or that our product shall be fit for any particular purpose. No warranty is made that the use of such information or our product will not infringe upon any patent. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may cause serious physical injury. Before using, read the Safety Data Sheet and follow all precautions to prevent bodily harm.